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<130> 38155-20035.00

<140> US 09/945,173

<141> 2001-08-31

<150> US 60/229,293

<151> 2000-09-01

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Leu Gly Asp Ser Gly Val Gly Lys Ser Ser Leu Val His Leu Leu Cys

caa aat caa gtg ctg gga aat cca tca tgg act gtg ggc tgc tca gtg
Gln Asn Gln Val Leu Gly Asn Pro Ser Trp Thr Val Gly Cys Ser Val

gat gtc aga gtt cat gat tac aaa gaa gga acc cca gaa gag aag acc
Asp Val Arg Val His Asp Tyr Lys Glu Gly Thr Pro Glu Glu Lys Thr

tac tac ata gaa tta tgg gat gtt gga ggc tct gtg ggc agt gcc agc 243
Tyr Tyr Ile Glu Leu Trp Asp Val Gly Ser Val Gly Ser Ala Ser

60 65 70 75

ago gtg ass ago aca aga gca gta tto tac ago tco gta sat ggt att 291

agc gtg aaa agc aca aga gca gta ttc tac aac tcc gta aat ggt att
Ser Val Lys Ser Thr Arg Ala Val Phe Tyr Asn Ser Val Asn Gly Ile
80 85 90

att ttc gta cac gac tta aca aat aag aag tcc tcc caa aac ttg cgt

Ile Phe Val His Asp Leu Thr Asn Lys Lys Ser Ser Gln Asn Leu Arg

95 100 105

cgt Arg	tgg Trp	tca Ser 110	ttg Leu	gaa Glu	gct Ala	ctc Leu	aac Asn 115	agg Arg	gat Asp	ttg Leu	gtg Val	cca Pro 120	act Thr	gga Gly	gtc Val	387
														aac Asn		435
														gaa Glu		483
														gat Asp 170		531
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														aag Lys		627
														ggc Gly		675
														cat His		723
gac tga attacactca tcctttggaa gagtgagcaa gcagtggcag tttttcacag 77 Asp *												779				
ata	atcti	ac t	at.at	ttdaa	at ta	attac	cato	a aca	adcct	ttt	aaca	aaaat	ca ·	tctta	aaaatg	839
		_							_						aggtcc	899
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Gly Asn Lys Cys Asp Leu Glu Asp Asp Glu Asp Leu Glu Leu Thr Glu
115 120 125
Gly Gln Lys Arg Val Val Ser Thr Glu Glu Gly Glu Ala Leu Ala Lys

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Glu Leu Gly Ala Leu Pro Phe Met Glu Thr Ser Ala Lys Thr Asn Thr
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Asn Val Glu Glu Ala Phe Glu Glu Leu Ala Arg Glu Ile Leu Lys Lys
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Val Ser Glu Val Asn Val Asn Leu Asp Gln Pro Ala Lys Lys Lys
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Ser Lys Cys Cys Ile Leu
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Tyr Met Arg Ser Thr Pro Thr Thr Asn Ile Leu Tyr Phe Val Glu
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Phe Tyr Asp Leu Asn Ser Asp Trp Arg Met Cys Arg Gln Gln Arg Glu
                           40
Ser Phe Tyr Lys Asn Ile Asp Gly Ile Val Leu Val Tyr Asn Met Leu
                        55
                                            60
Glu Leu Ser Ser Gln Asp Ser Leu His Asp Trp Leu Tyr Asp Pro Leu
                    70
                                        75
Arg Gln Ile Cys Lys His Arg His Leu Arg Ile Arg Ser Ile Leu Lys
                                    90
Asn His Asn Ala Pro Ile Leu Val Val Gly Thr Asn Leu Asp Lys Leu
                                105
           100
Met Arg Arg Pro Leu Arg Arg Gly Ser Ile Ala His Gln Leu Asn
                            120
Val Glu Glu Met Leu Val Asn Cys Leu Asp Pro Gln Ser Phe Val Asp
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Lys Ser Arg Asn Gln Gly Lys Leu Tyr Gly Phe Leu Asn Arg Val Ile
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Glu Phe Lys Glu Gln Phe
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Asp Leu Leu Asp Glu Lys Arg His Pro Lys Met Gly Val Lys Lys Pro
                            40
Gly Gly Ile Ala Asp Lys Cys Gly Ala Glu Glu Ile Trp Leu Asn Cys
                                            60
Arg Asn Ser Arg Ser Leu Ala Ala Gly Thr Thr Asp Ala Val Lys Leu
                                        75
Ser Arg Phe Phe Asp Arg Val Ile Glu Asn Arg Lys Ala Leu Arg Ala
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Ala Leu Ala Phe Gly Val Ser Ser Ser Asn Ala Val Ser Pro Pro Asp
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Thr Ile Gly Cys Thr Val Gly Val Lys His Ile Thr Tyr Gly Ser Pro
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Ala Ser Ser Ser Ser Ile Gln
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Phe Asn Val Lys Thr Thr Ile Glu Val Val Asp Thr Asp Gly Lys Asn
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Ile Lys Leu Gln Ile Trp Asp Thr Ala Gly Gln Glu Arg Tyr Arg Ser
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                                        75
Met Leu Thr Ser Met Glu Ala Tyr Tyr Arg Gly Ala Glu Ala Asp Ile
                                    90
Ile Val Tyr Asp Val Asp Ser Ser Glu Ser Ser Phe Glu Asn Gln Thr
            100
                                105
Lys Trp Leu Lys Glu Ile Leu Arg His Ala Ser Asn Glu Glu Ala Ser
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Glu Asn Val Pro Ile Ile Leu Val Gly Asn Lys Ala Asp Leu Glu Val
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Pro Asn Pro Glu Glu Val Glu Glu Glu Lys Glu Glu Ala Ser Thr Glu
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Glu Glu Ala Gln Ser Phe Ala Glu Glu Lys Gly Leu Gly Val Val Pro
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Phe Ile Glu Thr Ser Ala Lys Thr Thr Gly Thr Asn Val Glu Glu Val
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